		Date
Expt. No6	Pa	age No.
Amis Araly forward	gain using ONE	inth feed
Apparatus Re	quired: pc(Windows), Abbus zenbook	, Scilat 6.1.1
newy:		
00	E solver explicit ordinary differe	ntial equation
detre	d by 1	
dy of (
it y(() = Yo	
We describe	the use of ODE for standard expli	cit ODE System
The simplest	all of ODE is y = ode (yo, to, t, t)	where yo is
the vector of	initial Condition, to is the initial	fore, + is Trail
	mes at which the solution y is Co	mpared and
y is mother	of solution vector	
11 2	14(+1)) 4 1+(2)) 1	1 cd. A
The input	argument of define the begins to	And Slace of
the Frest of	may differential equation. This will	Junut 159
1 1 1 1 1	he a some office bot ade 1	
4 F1	is a scilab function, it's Syriax 1	nug be
1	y sa = + (t,y)	
1 Th.	젊으의 함께 하다고 하지않는다고 집에 하는 하다 한 경하지 않는 사람이 모음을 모르게 하는데 <u>되어요.</u>	able to the
Result : > Tr	ne gent of this experiment is Vis	to h h h h
graph show	on the previous page in the goap	1 1 2/3
and y for	original system 1 for Controlling 13/35	the wild I
tracking A	n in the previous page in the goars original system 1 for Controlling system is varying with the Line tighties	a dire (- 12.st
Observation	n: The solution of se Cond and triver	- order different
equation 1	onich is plotted and calculated ar	nd its controller
	Teacher's Sianature ;	

	Date
Expt. No	Page No.
and tracking also plotted and Calculated the optimary differential alled ordinary differential soll of differential equaling we see in the plot obtained from scalar of 3 in stable and problem 4 is unstable the sydem.	
Conclusion: of From this experiment by Conclusion of Periment by Using a extension of the fig of Coperiment 5.	asily toack the block Nashono
Teacher's Signatur	re:

	Date
xpt. No 7	Page No.
AIM: + Familian rating with PLC and 1	from the banks of
Alle Draw Drawming	<u>(d.)</u>
Valder logic programming	
Apparatus Required: PC (WINDOWS 11), +	tsus zenbook PLC
& mulator online	
Theory: > A PLC (Programing lyc cont	bolly 15 an industrial
(Ambrier used for automation of a	(a) represent
curn as control of Machinery on fac	ton assent
making nows, or light fix tures DL	C's are expensed
1 In loudy for years in Indust	nal envious in
hadion to my vory mior	Me Carrie Company
that gives modern PLC'S green	excule forms
1 -1 -cenha	
a I high many of these	is down reterred
with contractor or relay controls, this to as hard wired control. Circuit drag	man had to be designed
to as hard wined control. which array	stalled a horning Lists
necessary t perfra a specific tast	in rectly. A charge in
In wires had to be he connected c	l'entana Comparats
Justin or system expansion required	I citic convenient to kno
and understand its architecture	- see bad
As spown in fig 1 Ac Cornists of	Itagi needed to run
Down Supply '7 1817 aus 12 10	~ O:
The pormary PLC Components Plo modules: porridus Signal (m)	
	Gamals inside the PLU
between the internal closic - level	PIDIRON TILLI
Teacher's	Signature:

	Date
Sypt. No	Page No.
tields high tree signal.	
By Boces or System. provides intelligen	ice to commonly and green
The action of the craim Fi	C My John
Programming Derice: used to a	inter the desired program
front, will determine the sequen	ce of operation.
Given Problem;	
Design the circuit of Stenter of Mot	}
. Brogers Dernan the circuit of traf	pic light in which the seg
light tuns on for 15 Sec, yellow I	ight tum for sec and for
given light them on for 10 sec.	
Design the circuit of LED blinking	for 4 sec.
Observation! Our starta of motor	designed in the PLC IS
Start MITTER	3 00 118 6 (30
the structure Then IT	5-10013
start autin of the stop butm is press	od once the motor recioned
its himming what from no mather	YOU WING
	7 0 00
different dignt volu be continued	unless any disturbances

An internal of year trut is for first year and the LED is on and

Teacher's Signature: _